

## ***PROGRESS REPORT FOR EPA - I***

*The following is a record of events from the clean up efforts at the EMRI facility, located at 11535 North Force Avenue, Portland, Oregon, 97217. During each phase of the clean up, the details and procedures set forth in the original Scope of Work Plan written by the independent contractor, CCS, were strictly adhered to.*

**Tuesday, March 2, 2010**

*Shutdown on 2/24/2010  
No oil added after that date?*

Work began at the EMRI facility. Work accomplished on this day consisted of:

- Pumping the liquid oil from Tank 17 into Tank 12 - what is the volume of oil } moved to
- Pumping the liquid oil from Tank 18 into Tank 12 " " " " " " } Tank 12
- Sludge and solids were removed from the bottom of Tank 17 (these solids were drummed for storage)
- Sludge and solids were removed from the bottom of Tank 18 (these solids were drummed for storage)

*Volume of oil added to 17/18 after 2/24 shutdown ✓*

**Wednesday, March 3, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- A hot water wash was completed on Tank 17 to remove any remaining oil or solids from the tank. This wash water was pumped into Tank 12
- A hot water wash was completed on Tank 18 to remove any remaining oil or solids from the tank. This wash water was pumped into Tank 12
- The first diesel solvent flush was completed on Tank 17 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/T17-01. Laboratory ID: A10C035-01)
- The second diesel solvent flush was completed on Tank 17 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/T17-02. Laboratory ID: A10C036-01)

**Thursday, March 4, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- The third and final diesel solvent flush was completed on Tank 17 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/T17-03. Laboratory ID: A10C044-01) - **This completed the cleaning of Tank 17.**
- The first diesel solvent flush was completed on Tank 18 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/T18-01. Laboratory ID: A10C052-01)
- The second diesel solvent flush was completed on Tank 18 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/T18-02. Laboratory ID: A10C057-01)
- The third and final diesel solvent flush was completed on Tank 18 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/T18-03. Laboratory ID: A10C057-02) - **This completed the cleaning of Tank 18**

**Friday, March 5, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- Pumping the liquid oil and tank bottoms from Tank 25 into Tank 12
- Pumping the liquid oil and tank bottoms from Tank 26 into Tank 12
- Pumping the liquid oil and tank bottoms from Tank 27 into Tank 12

} Finished Product and Fuel

**Monday, March 8, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- A hot water wash was completed on Tank 25 to remove any remaining oil or solids from the tank. This wash water was pumped into Tank 12
- A hot water wash was completed on Tank 27 to remove any remaining oil or solids from the tank. This wash water was pumped into Tank 12
- The first diesel solvent flush was completed on Tank 27 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T27-01. Laboratory ID: A10C085-01)
- The second diesel solvent flush was completed on Tank 27 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T27-02. Laboratory ID: A10C085-02)

- The third and final diesel solvent flush was completed on Tank 27 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T27-03. Laboratory ID: A10C089-01) - **This completed the cleaning of Tank 27***

#### **Tuesday, March 9, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- The first diesel solvent flush was completed on Tank 25 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T25-01. Laboratory ID: A10C103-01)*
- The second diesel solvent flush was completed on Tank 25 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T25-02. Laboratory ID: A10C108-01)*
- The third and final diesel solvent flush was completed on Tank 25 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T25-03. Laboratory ID: A10C108-02) - **This completed the cleaning of Tank 25***

#### **Wednesday, March 10, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- A hot water wash was completed on Tank 26 to remove any remaining oil or solids from the tank. This wash water was pumped into Tank 12
- The first diesel solvent flush was completed on Tank 26 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T26-01. Laboratory ID: A10C128-02)*
- The second diesel solvent flush was completed on Tank 26 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T26-02. Laboratory ID: A10C128-02)*

#### **Thursday, March 11, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- The third and final diesel solvent flush was completed on Tank 26 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T26-03. Laboratory ID: A10C142-01) - **This completed the cleaning of Tank 26***



- Pumping the liquid oil and tank bottoms from Tank 29 into Tank 12
- A hot water wash was completed on Tank 29 to remove any remaining oil or solids from the tank. This wash water was pumped into Tank 12
- The first diesel solvent flush was completed on Tank 29 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T29-01. Laboratory ID: A10C154-04)*
- The second diesel solvent flush was completed on Tank 29 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T29-02. Laboratory ID: A10C154-05)*
- The third and final diesel solvent flush was completed on Tank 29 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T29-03. Laboratory ID: A10C170-01 - **This completed the cleaning of Tank 29***
- Pumping the liquid oil and tank bottoms from Tank 30 into Tank 12
- A hot water wash was completed on Tank 30 to remove any remaining oil or solids from the tank. This wash water was pumped into Tank 12
- The first diesel solvent flush was completed on Tank 30 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T30-01. Laboratory ID: A10C154-01)*
- The second diesel solvent flush was completed on Tank 30 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T30-02. Laboratory ID: A10C154-02)*

### **Friday, March 12, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- The third and final diesel solvent flush was completed on Tank 30 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T30-03. Laboratory ID: A10C154-03) - **This completed the cleaning of Tank 30***
- A hot water wash was completed on Tank 19 to remove any remaining oil or solids from the tank. This wash water was pumped into Tank 12
- The first diesel solvent flush was completed on Tank 19 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T19-01. Laboratory ID: A10C183-01)*
- The second diesel solvent flush was completed on Tank 19 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-T19-02. Laboratory ID: A10C183-02)*

**Saturday, March 13, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- The third and final diesel solvent flush was completed on Tank 19 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T19-03. Laboratory ID: A10C189-01) - **This completed the cleaning of Tank 19**
- A hot water wash was completed on Tank 10 to remove any remaining oil or solids from the tank. This wash water was pumped into Tank 12

**Monday, March 15, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- The first diesel solvent flush was completed on Tank 10 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T10-01. Laboratory ID: A10C193-01)
- The second diesel solvent flush was completed on Tank 10 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T10-02. Laboratory ID: A10C193-02)
- The third and final diesel solvent flush was completed on Tank 10 (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T10-03. Laboratory ID: A10C202-01) - **This completed the cleaning of Tank 10**

**Tuesday, March 16, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- The first diesel solvent flush was completed on the "front" tank farm lines (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-Line Flush-01. Laboratory ID: A10C223-01)

**Wednesday, March 17, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- The second diesel solvent flush was completed on the "front" tank farm lines (sample taken to the laboratory for analysis). (Sample ID: EMRI/8510118-Line Flush-02. Laboratory ID: A10C240-01)



- The third and final diesel solvent flush was completed on the “front” tank farm lines (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-Line Flush-03. Laboratory ID: A10C251-01) - This completed the cleaning of the “front” tank farm lines*

**Thursday, March 18, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- The first diesel solvent flush was completed on the front main tank farm lines (the incoming portion to the re-refinery) and the re-refinery processing systems (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-MPLF-01. Laboratory ID: A10C262-01). ALSO SEE ATTACHED DESCRIPTION OF HOW THE RE-REFINERY PROCESSING SYSTEMS WERE FLUSHED.*
- The second diesel solvent flush was completed on the front main tank farm lines (the incoming portion to the re-refinery) and the re-refinery processing systems (sample taken to the laboratory for analysis). *(Sample ID: EMRI/8510118-MPLF-02. Laboratory ID: A10C262-02). ALSO SEE ATTACHED DESCRIPTION OF HOW THE RE-REFINERY PROCESSING SYSTEMS WERE FLUSHED.*
- The third and final diesel solvent flush was completed on the front main tank farm lines (the incoming portion to the re-refinery) and the re-refinery processing systems (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-MPLF-03. Laboratory ID: A10C262-03). ALSO SEE ATTACHED DESCRIPTION OF HOW THE RE-REFINERY PROCESSING SYSTEMS WERE FLUSHED. - This completed the cleaning of the front main tank farm lines (the incoming portion to the re-refinery) and the re-refinery processing systems*
- The first diesel solvent flush was completed on the back main tank farm lines (the outgoing lines from the re-refinery) (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-MPLB-01. Laboratory ID: A10C262-04). ALSO SEE ATTACHED DESCRIPTION OF HOW THE RE-REFINERY PROCESSING SYSTEMS WERE FLUSHED.*
- The second diesel solvent flush was completed on the back main tank farm lines (the outgoing lines from the re-refinery) (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-MPLB-02. Laboratory ID: A10C262-05). ALSO SEE ATTACHED DESCRIPTION OF HOW THE RE-REFINERY PROCESSING SYSTEMS WERE FLUSHED.*
- The third and final diesel solvent flush was completed on the back main tank farm lines (the outgoing lines from the re-refinery) (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-MPLB-03. Laboratory ID: A10C262-06). ALSO SEE ATTACHED DESCRIPTION OF HOW THE RE-REFINERY*

**PROCESSING SYSTEMS WERE FLUSHED. - This completed the cleaning of the back main tank farm lines (the outgoing lines from the re-refinery)**

- The first diesel solvent flush was completed on the line from the re-refinery process to storage Tank 25, and exhausted into Tank 26 to be decontaminated afterwards (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T25L-01. Laboratory ID: A10C266-01).
- The second diesel solvent flush was completed on the line from the re-refinery process to storage Tank 25 and exhausted into Tank 26 to be decontaminated afterwards (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T25L-02. Laboratory ID: A10C266-02).
- The third and final diesel solvent flush was completed on the line from the re-refinery process to storage Tank 25 and exhausted into Tank 26 to be decontaminated afterwards (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T25L-03. Laboratory ID: A10C266-03). - **This completed the cleaning of the line from the re-refinery process to storage Tank 25**
- The first diesel solvent flush was completed on the line from the re-refinery process to storage Tank 26 and exhausted into Tank 26 to be decontaminated afterwards (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T26L-01. Laboratory ID: A10C266-04).
- The second diesel solvent flush was completed on the line from the re-refinery process to storage Tank 26 and exhausted into Tank 26 to be decontaminated afterwards (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T26L-02. Laboratory ID: A10C266-05).
- The third and final diesel solvent flush was completed on the line from the re-refinery process to storage Tank 26 and exhausted into Tank 26 to be decontaminated afterwards (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T26L-03. Laboratory ID: A10C266-06). - **This completed the cleaning of the line from the re-refinery process to storage Tank 26**
- The first diesel solvent flush was completed on the line from the re-refinery process to storage Tank 27 and exhausted into Tank 26 to be decontaminated afterwards (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T27L-01. Laboratory ID: A10C266-07).
- The second diesel solvent flush was completed on the line from the re-refinery process to storage Tank 27 and exhausted into Tank 26 to be decontaminated afterwards (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID: EMRI/8510118-T27L-02. Laboratory ID: A10C266-08).
- The third and final diesel solvent flush was completed on the line from the re-refinery process to storage Tank 27 and exhausted into Tank 26 to be decontaminated afterwards (sample taken to the laboratory for analysis). See Attached Analytical (Sample ID:



*EMRI/8510118-T27L-03. Laboratory ID: A10C266-09. - This completed the cleaning of the line from the re-refinery process to storage Tank 27*

**Friday, March 19, 2010**

Work continued at the EMRI facility. Work accomplished on this day consisted of:

- Pumping the liquid oil from Tank 26 into Tank 12 (this was the diesel flush used to decontaminate the lines to Tanks 25, 26, and 27 as described in the summary of work conducted on March 18).
- The first diesel solvent flush was completed on Tank 26 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-TK26-02-01. Laboratory ID: A10C287-01).*
- The second diesel solvent flush was completed on Tank 26 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-TK26-02-02. Laboratory ID: A10C287-02).*
- The third and final diesel solvent flush was completed on Tank 26 (sample taken to the laboratory for analysis). *See Attached Analytical (Sample ID: EMRI/8510118-TK26-02-03. Laboratory ID: A10C287-03).*